

# Sritawat Kitipornchai

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

382  
papers

18,239  
citations

73  
h-index

119  
g-index

392  
ext. papers

20,384  
ext. citations

3.8  
avg, IF

7.39  
L-index

#	Paper	IF	Citations
382	Machine learning assisted prediction of mechanical properties of graphene/aluminium nanocomposite based on molecular dynamics simulation. <i>Materials and Design</i> , <b>2022</b> , 213, 110334	8.1	4
381	Enhanced thermal buckling resistance of folded graphene reinforced nanocomposites with negative thermal expansion: From atomistic study to continuum mechanics modelling. <i>Composite Structures</i> , <b>2022</b> , 279, 114872	5.3	3
380	Genetic programming-assisted micromechanical models of graphene origami-enabled metal metamaterials. <i>Acta Materialia</i> , <b>2022</b> , 228, 117791	8.4	1
379	Free vibration analysis of functionally graded graphene nanocomposite beams partially in contact with fluid. <i>Composite Structures</i> , <b>2022</b> , 291, 115609	5.3	1
378	Buckling of functionally graded hydrogen-functionalized graphene reinforced beams based on machine learning-assisted micromechanics models. <i>European Journal of Mechanics, A/Solids</i> , <b>2022</b> , 1046737	3.7	1
377	Buckling and free vibration of axially functionally graded graphene reinforced nanocomposite beams. <i>Engineering Structures</i> , <b>2021</b> , 249, 113327	4.7	6
376	Nonlinear dynamic buckling of functionally graded porous beams. <i>Mechanics of Advanced Materials and Structures</i> , <b>2021</b> , 28, 418-429	1.8	38
375	Coupled free vibration of a functionally graded pre-twisted blade-shaft system reinforced with graphene nanoplatelets. <i>Composite Structures</i> , <b>2021</b> , 262, 113362	5.3	24
374	Temperature-dependent mechanical properties of defective graphene reinforced polymer nanocomposite. <i>Mechanics of Advanced Materials and Structures</i> , <b>2021</b> , 28, 1010-1019	1.8	6
373	Improving interfacial shear strength between graphene sheets by strain-induced wrinkles. <i>Carbon</i> , <b>2020</b> , 168, 135-143	10.4	19
372	Functionally graded graphene reinforced composite structures: A review. <i>Engineering Structures</i> , <b>2020</b> , 210, 110339	4.7	149
371	Large amplitude vibration of functionally graded graphene nanocomposite annular plates in thermal environments. <i>Composite Structures</i> , <b>2020</b> , 239, 112047	5.3	39
370	Probabilistic stability analysis of functionally graded graphene reinforced porous beams. <i>Aerospace Science and Technology</i> , <b>2020</b> , 98, 105738	4.9	34
369	Mechanical behaviours of graphene reinforced copper matrix nanocomposites containing defects. <i>Computational Materials Science</i> , <b>2020</b> , 182, 109759	3.2	4
368	Dynamic instability of functionally graded porous arches reinforced by graphene platelets. <i>Thin-Walled Structures</i> , <b>2020</b> , 147, 106491	4.7	55
367	A spherical smart aggregate sensor based electro-mechanical impedance method for quantitative damage evaluation of concrete. <i>Structural Health Monitoring</i> , <b>2020</b> , 19, 1560-1576	4.4	5
366	Nonlinear free vibration of cracked functionally graded graphene platelet-reinforced nanocomposite beams in thermal environments. <i>Journal of Sound and Vibration</i> , <b>2020</b> , 468, 115115	3.9	40

365	Nonlinear Dynamic Response of FG Graphene Platelets Reinforced Composite Beam with Edge Cracks in Thermal Environment. <i>International Journal of Structural Stability and Dynamics</i> , <b>2020</b> , 20, 2043005	1.9	18
364	Mechanical Analysis of Functionally Graded Porous Structures: A Review. <i>International Journal of Structural Stability and Dynamics</i> , <b>2020</b> , 20, 2041015	1.9	19
363	Free vibration of variable thickness FGM beam submerged in fluid. <i>Composite Structures</i> , <b>2020</b> , 233, 111582	5.3	14
362	Surface effect on the contact problem of a piezoelectric half-plane. <i>International Journal of Solids and Structures</i> , <b>2020</b> , 185-186, 380-393	3.1	8
361	Free vibration and buckling analyses of edge-cracked functionally graded multilayer graphene nanoplatelet-reinforced composite beams resting on an elastic foundation. <i>Journal of Sound and Vibration</i> , <b>2019</b> , 458, 89-108	3.9	40
360	Tensile property enhancement of defective graphene/epoxy nanocomposite by hydrogen functionalization. <i>Composite Structures</i> , <b>2019</b> , 224, 111079	5.3	34
359	Peeling mechanics of hyperelastic beams: Bending effect. <i>International Journal of Solids and Structures</i> , <b>2019</b> , 167, 184-191	3.1	8
358	Thermal buckling and postbuckling of edge-cracked functionally graded multilayer graphene nanocomposite beams on an elastic foundation. <i>International Journal of Mechanical Sciences</i> , <b>2019</b> , 161-162, 105040	5.5	16
357	Three-dimensional free vibration and bending analyses of functionally graded graphene nanoplatelets-reinforced nanocomposite annular plates. <i>Composite Structures</i> , <b>2019</b> , 229, 111453	5.3	37
356	Low-velocity impact response of geometrically nonlinear functionally graded graphene platelet-reinforced nanocomposite plates. <i>Nonlinear Dynamics</i> , <b>2019</b> , 95, 2333-2352	5	47
355	Unilateral and bilateral buckling of functionally graded corrugated thin plates reinforced with graphene nanoplatelets. <i>Composite Structures</i> , <b>2019</b> , 209, 789-801	5.3	31
354	Primary and secondary resonances of functionally graded graphene platelet-reinforced nanocomposite beams. <i>Nonlinear Dynamics</i> , <b>2019</b> , 95, 1807-1826	5	24
353	Buckling and bending analyses of a novel functionally graded porous plate using Chebyshev-Ritz method. <i>Archives of Civil and Mechanical Engineering</i> , <b>2019</b> , 19, 157-170	3.4	55
352	Nonlinear vibration of piezoelectric nanoplates using nonlocal Mindlin plate theory. <i>Mechanics of Advanced Materials and Structures</i> , <b>2018</b> , 25, 1252-1264	1.8	40
351	The coupled thermoelastic instability of FGM coatings with arbitrarily varying properties: in-plane sliding. <i>Acta Mechanica</i> , <b>2018</b> , 229, 2979-2995	2.1	11
350	Three-dimensional buckling and free vibration analyses of initially stressed functionally graded graphene reinforced composite cylindrical shell. <i>Composite Structures</i> , <b>2018</b> , 189, 560-569	5.3	149
349	Exact and Nonlocal Solutions for Vibration of Axial Lattice with Direct and Indirect Neighboring Interactions. <i>Journal of Engineering Mechanics - ASCE</i> , <b>2018</b> , 144, 04018025	2.4	9
348	Buckling and free vibration analyses of functionally graded graphene reinforced porous nanocomposite plates based on Chebyshev-Ritz method. <i>Composite Structures</i> , <b>2018</b> , 193, 281-294	5.3	239

347	Thermal-mechanical-electrical buckling behavior of functionally graded micro-beams based on modified couple stress theory. <i>Composite Structures</i> , <b>2018</b> , 202, 625-634	5.3	43
346	Thermoelastic instability of functionally graded materials with interaction of frictional heat and contact resistance. <i>Mechanics Based Design of Structures and Machines</i> , <b>2018</b> , 46, 139-156	1.7	24
345	Bending and buckling analyses of functionally graded polymer composite plates reinforced with graphene nanoplatelets. <i>Composites Part B: Engineering</i> , <b>2018</b> , 134, 106-113	10	187
344	Wave propagation in viscoelastic phononic crystal rods with internal resonators. <i>Applied Acoustics</i> , <b>2018</b> , 141, 382-392	3.1	21
343	Parametric instability of thermo-mechanically loaded functionally graded graphene reinforced nanocomposite plates. <i>International Journal of Mechanical Sciences</i> , <b>2018</b> , 135, 431-440	5.5	87
342	Dynamic response and energy absorption of functionally graded porous structures. <i>Materials and Design</i> , <b>2018</b> , 140, 473-487	8.1	75
341	Tensile behavior of polymer nanocomposite reinforced with graphene containing defects. <i>European Polymer Journal</i> , <b>2018</b> , 98, 475-482	5.2	39
340	Variational modeling of plane-strain hyperelastic thin beams with thickness-stretching effect. <i>Acta Mechanica</i> , <b>2018</b> , 229, 4845-4861	2.1	7
339	A dynamic homogenization model for long-wavelength wave propagation in corrugated sandwich plates. <i>International Journal of Mechanical Sciences</i> , <b>2018</b> , 149, 27-37	5.5	10
338	A shearable and thickness stretchable finite strain beam model for soft structures. <i>Meccanica</i> , <b>2018</b> , 53, 3759-3777	2.1	
337	Nonlinear dynamic analysis of composite piezoelectric plates with graphene skin. <i>Composite Structures</i> , <b>2018</b> , 206, 839-852	5.3	24
336	Wave propagation characteristics in magneto-electro-elastic nanoshells using nonlocal strain gradient theory. <i>Composite Structures</i> , <b>2018</b> , 199, 10-23	5.3	36
335	Thermal Buckling and Postbuckling Analysis of Functionally Graded Concrete Slabs with Initial Imperfections. <i>International Journal of Structural Stability and Dynamics</i> , <b>2018</b> , 18, 1850142	1.9	1
334	Size and Foundation Effects on the Vibration of Buckled Functionally Graded Microplates Within the Modified Couple Stress Theory Framework. <i>International Journal of Applied Mechanics</i> , <b>2018</b> , 10, 1850068	2.4	5
333	Nonlinear vibration and postbuckling of functionally graded graphene reinforced porous nanocomposite beams. <i>Composites Science and Technology</i> , <b>2017</b> , 142, 235-245	8.6	220
332	3D thermo-mechanical bending solution of functionally graded graphene reinforced circular and annular plates. <i>Applied Mathematical Modelling</i> , <b>2017</b> , 49, 69-86	4.5	112
331	Nonlinear free vibration of functionally graded polymer composite beams reinforced with graphene nanoplatelets (GPLs). <i>Engineering Structures</i> , <b>2017</b> , 140, 110-119	4.7	198
330	Free vibration and elastic buckling of functionally graded porous beams reinforced by graphene platelets. <i>Materials and Design</i> , <b>2017</b> , 116, 656-665	8.1	313

329	Dynamic instability of functionally graded multilayer graphene nanocomposite beams in thermal environment. <i>Composite Structures</i> , <b>2017</b> , 162, 244-254	5.3	184
328	Thermoelastic instability of functionally graded coating with arbitrarily varying properties considering contact resistance and frictional heat. <i>Applied Mathematical Modelling</i> , <b>2017</b> , 43, 521-537	4.5	12
327	The quasi-static cyclic behaviour of CFRP-to-concrete bonded joints: An experimental study and a damage plasticity model. <i>Engineering Structures</i> , <b>2017</b> , 153, 43-56	4.7	21
326	Folded assembly methods for thin-walled steel structures. <i>Journal of Constructional Steel Research</i> , <b>2017</b> , 138, 235-245	3.8	15
325	Buckling and postbuckling of biaxially compressed functionally graded multilayer graphene nanoplatelet-reinforced polymer composite plates. <i>International Journal of Mechanical Sciences</i> , <b>2017</b> , 131-132, 345-355	5.5	123
324	Thermal buckling and postbuckling of functionally graded graphene nanocomposite plates. <i>Materials and Design</i> , <b>2017</b> , 132, 430-441	8.1	152
323	Critical examination of midplane and neutral plane formulations for vibration analysis of FGM beams. <i>Engineering Structures</i> , <b>2017</b> , 130, 275-281	4.7	36
322	Thermoelastic analysis of functionally graded graphene reinforced rectangular plates based on 3D elasticity. <i>Meccanica</i> , <b>2017</b> , 52, 2275-2292	2.1	74
321	Buckling and postbuckling of functionally graded multilayer graphene platelet-reinforced composite beams. <i>Composite Structures</i> , <b>2017</b> , 161, 111-118	5.3	283
320	Imperfection sensitivity of thermal post-buckling behaviour of functionally graded carbon nanotube-reinforced composite beams. <i>Applied Mathematical Modelling</i> , <b>2017</b> , 42, 735-752	4.5	74
319	Bifurcation of pressurized functionally graded elastomeric hollow cylinders. <i>Composites Part B: Engineering</i> , <b>2017</b> , 109, 259-276	10	12
318	Free and forced vibrations of functionally graded polymer composite plates reinforced with graphene nanoplatelets. <i>Composite Structures</i> , <b>2017</b> , 159, 579-588	5.3	381
317	Bistable behaviour and microstructure characterization of carbon fiber/epoxy resin anti-symmetric laminated cylindrical shell after thermal exposure. <i>Composites Science and Technology</i> , <b>2017</b> , 138, 91-97	8.6	22
316	Nonlinear bending of polymer nanocomposite beams reinforced with non-uniformly distributed graphene platelets (GPLs). <i>Composites Part B: Engineering</i> , <b>2017</b> , 110, 132-140	10	247
315	Effects of Reorientation of Graphene Platelets (GPLs) on Young's Modulus of Polymer Nanocomposites under Uni-Axial Stretching. <i>Polymers</i> , <b>2017</b> , 9,	4.5	22
314	Dynamic Response of Shear Deformable Functionally Graded Porous Beams. <i>Applied Mechanics and Materials</i> , <b>2016</b> , 846, 434-439	0.3	2
313	Buckling and post-buckling analyses of size-dependent piezoelectric nanoplates. <i>Theoretical and Applied Mechanics Letters</i> , <b>2016</b> , 6, 253-267	1.8	28
312	Nonlinear free vibration of shear deformable sandwich beam with a functionally graded porous core. <i>Thin-Walled Structures</i> , <b>2016</b> , 107, 39-48	4.7	200

311	Experimental study on bistable behaviour of anti-symmetric laminated cylindrical shells in thermal environments. <i>Composite Structures</i> , <b>2016</b> , 144, 24-32	5-3	27
310	Free and forced vibrations of shear deformable functionally graded porous beams. <i>International Journal of Mechanical Sciences</i> , <b>2016</b> , 108-109, 14-22	5-5	228
309	Nonlinear vibration of functionally graded carbon nanotube-reinforced composite beams with geometric imperfections. <i>Composites Part B: Engineering</i> , <b>2016</b> , 90, 86-96	10	111
308	Imperfection sensitivity of postbuckling behaviour of functionally graded carbon nanotube-reinforced composite beams. <i>Thin-Walled Structures</i> , <b>2016</b> , 108, 225-233	4-7	46
307	Thermo-electro-mechanical postbuckling of piezoelectric FG-CNTRC beams with geometric imperfections. <i>Smart Materials and Structures</i> , <b>2016</b> , 25, 095022	3-4	23
306	Elastic buckling and static bending of shear deformable functionally graded porous beam. <i>Composite Structures</i> , <b>2015</b> , 133, 54-61	5-3	247
305	Flexural Vibration of an Atomic Force Microscope Cantilever Based on Modified Couple Stress Theory. <i>International Journal of Structural Stability and Dynamics</i> , <b>2015</b> , 15, 1540025	1-9	24
304	Nonlinear Vibration of PZT4/PZT-5H Monomorph and Bimorph Beams with Graded Microstructures. <i>International Journal of Structural Stability and Dynamics</i> , <b>2015</b> , 15, 1540015	1-9	8
303	Size effect on the free vibration of geometrically nonlinear functionally graded micro-beams under electrical actuation and temperature change. <i>Composite Structures</i> , <b>2015</b> , 133, 1137-1148	5-3	39
302	Free Vibration and Buckling Analysis of Sandwich Beams with Functionally Graded Carbon Nanotube-Reinforced Composite Face Sheets. <i>International Journal of Structural Stability and Dynamics</i> , <b>2015</b> , 15, 1540011	1-9	76
301	Geometrically nonlinear free vibration of shear deformable piezoelectric carbon nanotube/fiber/polymer multiscale laminated composite plates. <i>Journal of Sound and Vibration</i> , <b>2014</b> , 333, 3236-3251	3-9	103
300	Buckling and post-buckling of size-dependent piezoelectric Timoshenko nanobeams subject to thermo-electro-mechanical loadings. <i>International Journal of Structural Stability and Dynamics</i> , <b>2014</b> , 14, 1350067	1-9	57
299	Axisymmetric postbuckling analysis of size-dependent functionally graded annular microplates using the physical neutral plane. <i>International Journal of Engineering Science</i> , <b>2014</b> , 81, 66-81	5-7	68
298	The size-dependent vibration of embedded magneto-electro-elastic cylindrical nanoshells. <i>Smart Materials and Structures</i> , <b>2014</b> , 23, 125036	3-4	86
297	Free vibration of size-dependent magneto-electro-elastic nanoplates based on the nonlocal theory. <i>Acta Mechanica Sinica/Lixue Xuebao</i> , <b>2014</b> , 30, 516-525	2	157
296	Thermal effect on the pull-in instability of functionally graded micro-beams subjected to electrical actuation. <i>Composite Structures</i> , <b>2014</b> , 116, 136-146	5-3	23
295	Thermo-electro-mechanical vibration of piezoelectric nanoplates based on the nonlocal theory. <i>Composite Structures</i> , <b>2013</b> , 106, 167-174	5-3	158
294	Thermal bifurcation buckling of piezoelectric carbon nanotube reinforced composite beams. <i>Computers and Mathematics With Applications</i> , <b>2013</b> , 66, 1147-1160	2-7	115

293	Dynamic Stability of Functionally Graded Carbon Nanotube-Reinforced Composite Beams. <i>Mechanics of Advanced Materials and Structures</i> , <b>2013</b> , 20, 28-37	1.8	117
292	Experimental study of perforated yielding shear panel device for passive energy dissipation. <i>Journal of Constructional Steel Research</i> , <b>2013</b> , 91, 14-25	3.8	51
291	Snap-through and pull-in analysis of an electro-dynamically actuated curved micro-beam using a nonlinear beam model. <i>Journal of Sound and Vibration</i> , <b>2013</b> , 332, 3821-3832	3.9	9
290	Axisymmetric nonlinear free vibration of size-dependent functionally graded annular microplates. <i>Composites Part B: Engineering</i> , <b>2013</b> , 53, 207-217	10	76
289	Dispersion spectrum in a functionally graded carbon nanotube-reinforced plate based on first-order shear deformation plate theory. <i>Composites Part B: Engineering</i> , <b>2013</b> , 53, 274-283	10	16
288	Large amplitude vibration of carbon nanotube reinforced functionally graded composite beams with piezoelectric layers. <i>Composite Structures</i> , <b>2013</b> , 96, 716-725	5.3	165
287	Dynamic stability of piezoelectric laminated cylindrical shells with delamination. <i>Journal of Intelligent Material Systems and Structures</i> , <b>2013</b> , 24, 1770-1781	2.3	2
286	Pull-in instability of electrically actuated poly-SiGe graded micro-beams. <i>Coupled Systems Mechanics</i> , <b>2013</b> , 2, 215-230		1
285	Free vibration of size-dependent Mindlin microplates based on the modified couple stress theory. <i>Journal of Sound and Vibration</i> , <b>2012</b> , 331, 94-106	3.9	199
284	Resonance frequency response of geometrically nonlinear micro-switches under electrical actuation. <i>Journal of Sound and Vibration</i> , <b>2012</b> , 331, 3397-3411	3.9	35
283	Nonlinear dynamic response of an edge-cracked functionally graded Timoshenko beam under parametric excitation. <i>Nonlinear Dynamics</i> , <b>2012</b> , 67, 527-540	5	20
282	Bending, buckling and vibration of size-dependent functionally graded annular microplates. <i>Composite Structures</i> , <b>2012</b> , 94, 3250-3257	5.3	141
281	Nonlinear dynamic response of electro-thermo-mechanically loaded piezoelectric cylindrical shell reinforced with BNNTs. <i>Smart Materials and Structures</i> , <b>2012</b> , 21, 125005	3.4	4
280	Nonlinear vibration of edged cracked FGM beams using differential quadrature method. <i>Science China: Physics, Mechanics and Astronomy</i> , <b>2012</b> , 55, 2114-2121	3.6	14
279	Nonlinear free vibration of size-dependent functionally graded microbeams. <i>International Journal of Engineering Science</i> , <b>2012</b> , 50, 256-267	5.7	306
278	Pull-in instability and free vibration of electrically actuated poly-SiGe graded micro-beams with a curved ground electrode. <i>Applied Mathematical Modelling</i> , <b>2012</b> , 36, 1875-1884	4.5	43
277	Electro-dynamic behavior of an electrically actuated micro-beam: Effects of initial curvature and nonlinear deformation. <i>Computers and Structures</i> , <b>2012</b> , 96-97, 25-33	4.5	25
276	BI-STABLE ANALYSES OF LAMINATED FGM SHELLS. <i>International Journal of Structural Stability and Dynamics</i> , <b>2012</b> , 12, 311-335	1.9	8

275	BUCKLING OF NANO-RINGS/ARCHES BASED ON NONLOCAL ELASTICITY. <i>International Journal of Applied Mechanics</i> , <b>2012</b> , 04, 1250025	2.4	14
274	Geometrical nonlinear free vibration of multi-layered graphene sheets. <i>Journal Physics D: Applied Physics</i> , <b>2011</b> , 44, 135401	3	51
273	Pinching Effect in Yielding Shear Panel Passive Device. <i>Procedia Engineering</i> , <b>2011</b> , 14, 241-249		
272	Forced Vibration of Electrically Actuated FGM Micro-Switches. <i>Procedia Engineering</i> , <b>2011</b> , 14, 280-287		19
271	Stiffness and Strength Of Perforated Steel Plate Shear Wall. <i>Procedia Engineering</i> , <b>2011</b> , 14, 675-679		11
270	Bending Analysis of Folded Laminated Plates by the FSDT Meshfree Method. <i>Procedia Engineering</i> , <b>2011</b> , 14, 2714-2721		9
269	Bistable characteristic of laminated shells with graded fibers. <i>International Journal of Mechanics and Materials in Design</i> , <b>2011</b> , 7, 219-229	2.5	3
268	Pull-in instability of geometrically nonlinear micro-switches under electrostatic and Casimir forces. <i>Acta Mechanica</i> , <b>2011</b> , 218, 161-174	2.1	87
267	Parametric instability of functionally graded beams with an open edge crack under axial pulsating excitation. <i>Composite Structures</i> , <b>2011</b> , 93, 1801-1808	5.3	21
266	Dynamic behaviour of edge-cracked shear deformable functionally graded beams on an elastic foundation under a moving load. <i>Composite Structures</i> , <b>2011</b> , 93, 2992-3001	5.3	60
265	Pinching hysteretic response of yielding shear panel device. <i>Engineering Structures</i> , <b>2011</b> , 33, 993-1000	4.7	25
264	Dynamic Instability of Nanorods/Nanotubes Subjected to an End Follower Force. <i>Journal of Engineering Mechanics - ASCE</i> , <b>2010</b> , 136, 1054-1058	2.4	18
263	Development of a virtual testing application for the teaching and learning of structural engineering. <i>IES Journal Part A: Civil and Structural Engineering</i> , <b>2010</b> , 3, 119-130		2
262	A Nonlinear Van Der Waals Force Model for Multiwalled Carbon Nanotubes Modeled by a Nested System of Cylindrical Shells. <i>Journal of Applied Mechanics, Transactions ASME</i> , <b>2010</b> , 77,	2.7	13
261	Pull-in analysis of electrostatically actuated curved micro-beams with large deformation. <i>Smart Materials and Structures</i> , <b>2010</b> , 19, 065030	3.4	17
260	Characterization of FGM micro-switches under electrostatic and Casimir forces. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2010</b> , 10, 012178	0.4	9
259	Free vibration of geometrically nonlinear micro-switches under electrostatic and Casimir forces. <i>Smart Materials and Structures</i> , <b>2010</b> , 19, 115028	3.4	32
258	Sliding frictional contact analysis of functionally graded piezoelectric layered half-plane. <i>Acta Mechanica</i> , <b>2010</b> , 209, 249-268	2.1	44



257	An analytical study on the nonlinear vibration of functionally graded beams. <i>Meccanica</i> , <b>2010</b> , 45, 743-752	1	140
256	Nonlinear dynamic response of a functionally graded plate with a through-width surface crack. <i>Nonlinear Dynamics</i> , <b>2010</b> , 59, 207-219	5	60
255	Nonlinear free vibration of single-walled carbon nanotubes using nonlocal Timoshenko beam theory. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , <b>2010</b> , 42, 1727-1735	3	234
254	Postbuckling of internal pressure loaded FGM cylindrical shells surrounded by an elastic medium. <i>European Journal of Mechanics, A/Solids</i> , <b>2010</b> , 29, 448-460	3.7	66
253	Nonlinear free vibration of functionally graded carbon nanotube-reinforced composite beams. <i>Composite Structures</i> , <b>2010</b> , 92, 676-683	5.3	407
252	Analysis of Symmetrically Laminated Folded Plate Structures Using the Meshfree Galerkin Method. <i>Mechanics of Advanced Materials and Structures</i> , <b>2009</b> , 16, 69-81	1.8	6
251	POSTBUCKLING OF NANO RODS/TUBES BASED ON NONLOCAL BEAM THEORY. <i>International Journal of Applied Mechanics</i> , <b>2009</b> , 01, 259-266	2.4	43
250	Plastic-Buckling of Rectangular Plates under Combined Uniaxial and Shear Stresses. <i>Journal of Engineering Mechanics - ASCE</i> , <b>2009</b> , 135, 892-895	2.4	3
249	Reply to Comments on Boundary element-free method (BEFM) and its application to two-dimensional elasticity problems by Zhigang Chen, <i>International Journal for Numerical Methods in Engineering</i> 2008; 74:347-348. <i>International Journal for Numerical Methods in Engineering</i> , <b>2009</b> , 78, 1258-1260	2.4	33
248	Failure analysis of transmission towers. <i>Engineering Failure Analysis</i> , <b>2009</b> , 16, 1922-1928	3.2	94
247	Vibration analysis of corrugated Reissner-Mindlin plates using a mesh-free Galerkin method. <i>International Journal of Mechanical Sciences</i> , <b>2009</b> , 51, 642-652	5.5	51
246	Nonlinear vibration of edge cracked functionally graded Timoshenko beams. <i>Journal of Sound and Vibration</i> , <b>2009</b> , 324, 962-982	3.9	135
245	Postbuckling analysis of edge cracked functionally graded Timoshenko beams under end shortening. <i>Composite Structures</i> , <b>2009</b> , 90, 152-160	5.3	84
244	A semi-analytic approach for the nonlinear dynamic response of circular plates. <i>Applied Mathematical Modelling</i> , <b>2009</b> , 33, 4303-4313	4.5	16
243	Thermo-Mechanical Analysis of an Inhomogeneous Double-Layer Coating System under Hertz Pressure and Tangential Traction. <i>Mechanics of Advanced Materials and Structures</i> , <b>2009</b> , 16, 308-318	1.8	9
242	Nonlinear free vibration of embedded double-walled carbon nanotubes based on nonlocal Timoshenko beam theory. <i>Computational Materials Science</i> , <b>2009</b> , 47, 409-417	3.2	202
241	Flexural Vibration and Elastic Buckling of a Cracked Timoshenko Beam Made of Functionally Graded Materials. <i>Mechanics of Advanced Materials and Structures</i> , <b>2009</b> , 16, 488-502	1.8	119
240	Pull-in instability of nano-switches using nonlocal elasticity theory. <i>Journal Physics D: Applied Physics</i> , <b>2008</b> , 41, 035103	3	84

239	Beam Bending Solutions Based on Nonlocal Timoshenko Beam Theory. <i>Journal of Engineering Mechanics - ASCE</i> , <b>2008</b> , 134, 475-481	2.4	137
238	Frictionless contact analysis of a functionally graded piezoelectric layered half-plane. <i>Smart Materials and Structures</i> , <b>2008</b> , 17, 025003	3.4	35
237	Buckling and spanning capacity of cantilevered vertical plates under body forces. <i>IES Journal Part A: Civil and Structural Engineering</i> , <b>2008</b> , 1, 116-122		2
236	Nonlinear local bending of FGM sandwich plates. <i>Journal of Mechanics of Materials and Structures</i> , <b>2008</b> , 3, 1977-1992	1.2	6
235	Electro-mechanical frictionless contact behavior of a functionally graded piezoelectric layered half-plane under a rigid punch. <i>International Journal of Solids and Structures</i> , <b>2008</b> , 45, 3313-3333	3.1	68
234	A new approach to teaching and learning structural analysis <b>2008</b> , 247-257		2
233	Boundary element-free method for fracture analysis of 2-D anisotropic piezoelectric solids. <i>International Journal for Numerical Methods in Engineering</i> , <b>2007</b> , 69, 729-749	2.4	33
232	Complex variable moving least-squares method: a meshless approximation technique. <i>International Journal for Numerical Methods in Engineering</i> , <b>2007</b> , 70, 46-70	2.4	74
231	Geometric non-linear analysis of folded plate structures by the spline strip kernel particle method. <i>International Journal for Numerical Methods in Engineering</i> , <b>2007</b> , 71, 1102-1133	2.4	21
230	Nonlinear analysis of corrugated plates using a FSDT and a meshfree method. <i>Computer Methods in Applied Mechanics and Engineering</i> , <b>2007</b> , 196, 2358-2376	5.7	66
229	Analyzing the 2D fracture problems via the enriched boundary element-free method. <i>International Journal of Solids and Structures</i> , <b>2007</b> , 44, 4220-4233	3.1	52
228	Free Vibration Analysis of Folded Plate Structures by the FSDT Mesh-free Method. <i>Computational Mechanics</i> , <b>2007</b> , 39, 799-814	4	24
227	Analysis of stiffened corrugated plates based on the FSDT via the mesh-free method. <i>International Journal of Mechanical Sciences</i> , <b>2007</b> , 49, 364-378	5.5	65
226	Differential quadrature element method for vibration analysis of plates <b>2007</b> , 322-375		
225	VIBRATION OF INITIALLY STRESSED MICRO- AND NANO-BEAMS. <i>International Journal of Structural Stability and Dynamics</i> , <b>2007</b> , 07, 555-570	1.9	57
224	Boundary element-free method (BEFM) and its application to two-dimensional elasticity problems. <i>International Journal for Numerical Methods in Engineering</i> , <b>2006</b> , 65, 1310-1332	2.4	151
223	Buckling of folded plate structures subjected to partial in-plane edge loads by the FSDT meshfree Galerkin method. <i>International Journal for Numerical Methods in Engineering</i> , <b>2006</b> , 65, 1495-1526	2.4	23
222	Buckling analysis of micro- and nano-rods/tubes based on nonlocal Timoshenko beam theory. <i>Journal Physics D: Applied Physics</i> , <b>2006</b> , 39, 3904-3909	3	317

221	Thermo-mechanical post-buckling of FGM cylindrical panels with temperature-dependent properties. <i>International Journal of Solids and Structures</i> , <b>2006</b> , 43, 307-324	3.1	126
220	Imperfection sensitivity of the post-buckling behavior of higher-order shear deformable functionally graded plates. <i>International Journal of Solids and Structures</i> , <b>2006</b> , 43, 5247-5266	3.1	60
219	Predicting nanovibration of multi-layered graphene sheets embedded in an elastic matrix. <i>Acta Materialia</i> , <b>2006</b> , 54, 4229-4236	8.4	189
218	Random vibration of the functionally graded laminates in thermal environments. <i>Computer Methods in Applied Mechanics and Engineering</i> , <b>2006</b> , 195, 1075-1095	5.7	108
217	Analyzing the interaction between collinear interfacial cracks by an efficient boundary element-free method. <i>International Journal of Engineering Science</i> , <b>2006</b> , 44, 37-48	5.7	35
216	Buckling and free vibration analyses of stiffened plates using the FSDT mesh-free method. <i>Journal of Sound and Vibration</i> , <b>2006</b> , 289, 421-449	3.9	76
215	Bending analysis of folded plates by the FSDT meshless method. <i>Thin-Walled Structures</i> , <b>2006</b> , 44, 1138-1160	4.1	13
214	Buckling analysis of corrugated plates using a mesh-free Galerkin method based on the first-order shear deformation theory. <i>Computational Mechanics</i> , <b>2006</b> , 38, 61-75	4	49
213	Buckling characteristics of embedded multi-walled carbon nanotubes. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , <b>2005</b> , 461, 3785-3805	2.4	23
212	Continuum model for the vibration of multilayered graphene sheets. <i>Physical Review B</i> , <b>2005</b> , 72,	3.3	225
211	Resonance analysis of multi-layered graphene sheets used as nanoscale resonators. <i>Nanotechnology</i> , <b>2005</b> , 16, 2086-91	3.4	157
210	Buckling analysis of multi-walled carbon nanotubes: a continuum model accounting for van der Waals interaction. <i>Journal of the Mechanics and Physics of Solids</i> , <b>2005</b> , 53, 303-326	5	323
209	Factors affecting the design and construction of Lamella suspen-dome systems. <i>Journal of Constructional Steel Research</i> , <b>2005</b> , 61, 764-785	3.8	51
208	Stochastic analysis of compositionally graded plates with system randomness under static loading. <i>International Journal of Mechanical Sciences</i> , <b>2005</b> , 47, 1519-1541	5.5	88
207	Modeling of van der Waals force for infinitesimal deformation of multi-walled carbon nanotubes treated as cylindrical shells. <i>International Journal of Solids and Structures</i> , <b>2005</b> , 42, 6032-6047	3.1	70
206	Second-order statistics of the elastic buckling of functionally graded rectangular plates. <i>Composites Science and Technology</i> , <b>2005</b> , 65, 1165-1175	8.6	112
205	Boundary element-free method (BEFM) for two-dimensional elastodynamic analysis using Laplace transform. <i>International Journal for Numerical Methods in Engineering</i> , <b>2005</b> , 64, 1610-1627	2.4	88
204	Analysis of rectangular stiffened plates under uniform lateral load based on FSDT and element-free Galerkin method. <i>International Journal of Mechanical Sciences</i> , <b>2005</b> , 47, 251-276	5.5	36

203	Buckling of intermediate ring supported cylindrical shells under axial compression. <i>Thin-Walled Structures</i> , <b>2005</b> , 43, 427-443	4.7	3
202	A boundary element-free method (BEFM) for three-dimensional elasticity problems. <i>Computational Mechanics</i> , <b>2005</b> , 36, 13-20	4	54
201	A continuum model for zigzag single-walled carbon nanotubes. <i>Applied Physics Letters</i> , <b>2005</b> , 86, 083110	3.4	26
200	Buckling analysis of triple-walled carbon nanotubes embedded in an elastic matrix. <i>Journal of Applied Physics</i> , <b>2005</b> , 97, 114318	2.5	43
199	Thermal Post-Buckling of Laminated Plates Comprising Functionally Graded Materials With Temperature-Dependent Properties. <i>Journal of Applied Mechanics, Transactions ASME</i> , <b>2004</b> , 71, 839-850	2.7	99
198	Dynamic stability of laminated FGM plates based on higher-order shear deformation theory. <i>Computational Mechanics</i> , <b>2004</b> , 33, 305-315	4	59
197	Interactive analysis and design of cold-formed steel cladding system. <i>Journal of Constructional Steel Research</i> , <b>2004</b> , 60, 1409-1423	3.8	7
196	Analysis of the pseudoelastic behavior of a SMA beam by the element-free Galerkin method. <i>Engineering Analysis With Boundary Elements</i> , <b>2004</b> , 28, 497-507	2.6	27
195	Non-linear analysis of the thermo-electro-mechanical behaviour of shear deformable FGM plates with piezoelectric actuators. <i>International Journal for Numerical Methods in Engineering</i> , <b>2004</b> , 59, 1605-1632	2.4	76
194	Transient bending of a piezoelectric circular plate. <i>International Journal of Mechanical Sciences</i> , <b>2004</b> , 46, 1845-1859	5.5	6
193	Upgrading of transmission towers using a diaphragm bracing system. <i>Engineering Structures</i> , <b>2004</b> , 26, 735-744	4.7	46
192	Semi-analytical solution for nonlinear vibration of laminated FGM plates with geometric imperfections. <i>International Journal of Solids and Structures</i> , <b>2004</b> , 41, 2235-2257	3.1	112
191	Finite element method for the feedback control of FGM shells in the frequency domain via piezoelectric sensors and actuators. <i>Computer Methods in Applied Mechanics and Engineering</i> , <b>2004</b> , 193, 257-273	5.7	81
190	AXISYMMETRIC VIBRATION OF CYLINDRICAL SHELLS WITH INTERMEDIATE RING SUPPORTS. <i>International Journal of Structural Stability and Dynamics</i> , <b>2003</b> , 03, 35-53	1.9	2
189	THERMAL STRESSES AROUND A CIRCULAR HOLE IN A FUNCTIONALLY GRADED PLATE. <i>Journal of Thermal Stresses</i> , <b>2003</b> , 26, 379-390	2.2	21
188	Buckling of Vertical Cylindrical Shells Under Combined End Pressure and Body Force. <i>Journal of Engineering Mechanics - ASCE</i> , <b>2003</b> , 129, 876-884	2.4	25
187	Modelling the input-output behaviour of piezoelectric structural health monitoring systems for composite plates. <i>Smart Materials and Structures</i> , <b>2003</b> , 12, 836-844	3.4	19
186	Finite element piezothermoelasticity analysis and the active control of FGM plates with integrated piezoelectric sensors and actuators. <i>Computational Mechanics</i> , <b>2003</b> , 31, 350-358	4	69

185	Analysis of the free vibration of rectangular plates with central cut-outs using the discrete Ritz method. <i>International Journal of Mechanical Sciences</i> , <b>2003</b> , 45, 941-959	5.5	43
184	Analysis of the thermal stress behaviour of functionally graded hollow circular cylinders. <i>International Journal of Solids and Structures</i> , <b>2003</b> , 40, 2355-2380	3.1	204
183	Postbuckling of piezoelectric FGM plates subject to thermo-electro-mechanical loading. <i>International Journal of Solids and Structures</i> , <b>2003</b> , 40, 3869-3892	3.1	238
182	Large amplitude vibration of thermo-electro-mechanically stressed FGM laminated plates. <i>Computer Methods in Applied Mechanics and Engineering</i> , <b>2003</b> , 192, 3861-3885	5.7	136
181	Numerical simulation of structural behaviour of transmission towers. <i>Thin-Walled Structures</i> , <b>2003</b> , 41, 167-177	4.7	55
180	Vibration of Timoshenko Beams with Internal Hinge. <i>Journal of Engineering Mechanics - ASCE</i> , <b>2003</b> , 129, 293-301	2.4	18
179	Exact Buckling Solutions For Rectangular Plates Under Intermediate and End Uniaxial Loads. <i>Journal of Engineering Mechanics - ASCE</i> , <b>2003</b> , 129, 835-838	2.4	11
178	Cold-formed purlin-sheeting systems <b>2002</b> , 429-435		
177	Active control of FGM shells subjected to a temperature gradient via piezoelectric sensor/actuator patches. <i>International Journal for Numerical Methods in Engineering</i> , <b>2002</b> , 55, 653-668	2.4	84
176	Modelling of Lamb waves in composite laminated plates excited by interdigital transducers. <i>NDT and E International</i> , <b>2002</b> , 35, 437-447	4.1	20
175	Single mode Lamb waves in composite laminated plates generated by piezoelectric transducers. <i>Composite Structures</i> , <b>2002</b> , 58, 381-396	5.3	25
174	Multi-dimensional superelastic behavior of shape memory alloys via nonlinear finite element method. <i>Engineering Structures</i> , <b>2002</b> , 24, 51-57	4.7	20
173	Stability criteria for Timoshenko columns with intermediate and end concentrated axial loads. <i>Journal of Constructional Steel Research</i> , <b>2002</b> , 58, 1177-1193	3.8	18
172	Exact solutions for vibration of cylindrical shells with intermediate ring supports. <i>International Journal of Mechanical Sciences</i> , <b>2002</b> , 44, 1907-1924	5.5	52
171	Analysis of flexural waves excited by rectangular contact type transducers. <i>Computer Methods in Applied Mechanics and Engineering</i> , <b>2001</b> , 190, 6481-6492	5.7	1
170	Analysis of acousto-ultrasonic characteristics for contact-type transducers coupled to composite laminated plates. <i>International Journal of Mechanical Sciences</i> , <b>2001</b> , 43, 1441-1456	5.5	9
169	Bending of linearly tapered annular Mindlin plates. <i>International Journal of Mechanical Sciences</i> , <b>2001</b> , 43, 265-278	5.5	11
168	A semi-analytical solution for vibration of rectangular plates with abrupt thickness variation. <i>International Journal of Solids and Structures</i> , <b>2001</b> , 38, 4937-4954	3.1	16

167	Analysis of Piezoelectric Sensor to Detect Flexural Waves. <i>Journal of Guidance, Control, and Dynamics</i> , <b>2001</b> , 24, 960-966	2.1	3
166	Flexural waves transmitted by rectangular piezoceramic transducers. <i>Smart Materials and Structures</i> , <b>2001</b> , 10, 681-688	3.4	14
165	FREE VIBRATION OF SYMMETRICALLY LAMINATED THICK-PERFORATED PLATES. <i>Journal of Sound and Vibration</i> , <b>2000</b> , 230, 111-132	3.9	15
164	Sensing characteristics of contact-type transducer for flexural waves. <i>International Journal of Mechanical Sciences</i> , <b>2000</b> , 42, 147-162	5.5	
163	Prestressed composite laminates featuring interlaminar imperfection. <i>International Journal of Mechanical Sciences</i> , <b>2000</b> , 42, 425-443	5.5	12
162	Influence of imperfect interfaces on bending and vibration of laminated composite shells. <i>International Journal of Solids and Structures</i> , <b>2000</b> , 37, 2127-2150	3.1	59
161	Exact eigenvalue correspondences between laminated plate theories via membrane vibration. <i>International Journal of Solids and Structures</i> , <b>2000</b> , 37, 2253-2264	3.1	8
160	Three-dimensional asymptotic approach to inhomogeneous and laminated piezoelectric plates. <i>International Journal of Solids and Structures</i> , <b>2000</b> , 37, 3153-3175	3.1	65
159	A non-discretized global method for free vibration of generally laminated fibre-reinforced pre-twisted cantilever plates. <i>Computational Mechanics</i> , <b>2000</b> , 26, 197-207	4	8
158	Relationship Between Vibration Frequencies of Reddy and Kirchhoff Polygonal Plates With Simply Supported Edges. <i>Journal of Vibration and Acoustics, Transactions of the ASME</i> , <b>2000</b> , 122, 77-81	1.6	10
157	Experimental investigation of the acousto-ultrasonic transfer characteristics of adhesively bonded piezoceramic transducers. <i>Smart Materials and Structures</i> , <b>2000</b> , 9, 19-23	3.4	9
156	The influence of backward wave transmission on quantitative ultrasonic evaluation using Lamb wave propagation. <i>Journal of the Acoustical Society of America</i> , <b>2000</b> , 107, 306-14	2.2	9
155	Exact Bending Solution of Inhomogeneous Plates from Homogeneous Thin-Plate Deflection. <i>AIAA Journal</i> , <b>2000</b> , 38, 1289-1291	2.1	9
154	Membrane Analogy of Buckling and Vibration of Inhomogeneous Plates. <i>Journal of Engineering Mechanics - ASCE</i> , <b>1999</b> , 125, 1293-1297	2.4	49
153	Vibration of unsymmetrically laminated thick quadrilateral plates. <i>Journal of the Acoustical Society of America</i> , <b>1999</b> , 105, 1672-1681	2.2	8
152	Analysis of acousto-ultrasonic characteristics for an isotropic thin plate. <i>Journal of the Acoustical Society of America</i> , <b>1999</b> , 105, 3318-3325	2.2	1
151	Frequency relationship between levinson plates and classical thin plates. <i>Mechanics Research Communications</i> , <b>1999</b> , 26, 687-692	2.2	8
150	Axisymmetric bending of functionally graded circular and annular plates. <i>European Journal of Mechanics, A/Solids</i> , <b>1999</b> , 18, 185-199	3.7	279

149	Three-dimensional exact solution for inhomogeneous and laminated piezoelectric plates. <i>International Journal of Engineering Science</i> , <b>1999</b> , 37, 1425-1439	5.7	32
148	Free vibration of cantilevered symmetrically laminated thick trapezoidal plates. <i>International Journal of Mechanical Sciences</i> , <b>1999</b> , 41, 685-702	5.5	22
147	EFFECTS OF SUBTENDED AND VERTEX ANGLES ON THE FREE VIBRATION OF OPEN CONICAL SHELL PANELS: A CONICAL CO-ORDINATE APPROACH. <i>Journal of Sound and Vibration</i> , <b>1999</b> , 219, 813-835	3.9	23
146	VIBRATION OF SYMMETRICALLY LAMINATED THICK SUPER ELLIPTICAL PLATES. <i>Journal of Sound and Vibration</i> , <b>1999</b> , 220, 659-682	3.9	14
145	Analysis of Acousto-Ultrasonic Characteristics for Contact-Type Transducers Coupled to an Orthotropic Composite Plate. <i>Journal of Vibration and Acoustics, Transactions of the ASME</i> , <b>1999</b> , 121, 460-467	1.6	1
144	Exact Connection Between Deflections of the Classical and Shear Deformation Laminated Plate Theories. <i>Journal of Applied Mechanics, Transactions ASME</i> , <b>1999</b> , 66, 260-262	2.7	3
143	Vibration of cantilevered laminated composite shallow conical shells. <i>International Journal of Solids and Structures</i> , <b>1998</b> , 35, 1695-1707	3.1	31
142	Shear deformable bending solutions for nonuniform beams and plates with elastic end restraints from classical solutions. <i>Archive of Applied Mechanics</i> , <b>1998</b> , 68, 323-333	2.2	4
141	Numerical aspects for free vibration of thick plates part I: Formulation and verification. <i>Computer Methods in Applied Mechanics and Engineering</i> , <b>1998</b> , 156, 15-29	5.7	43
140	Numerical aspects for free vibration of thick plates part II: Numerical efficiency and vibration frequencies. <i>Computer Methods in Applied Mechanics and Engineering</i> , <b>1998</b> , 156, 31-44	5.7	18
139	A free-vibration analysis of doubly connected super-elliptical laminated composite plates. <i>Composites Science and Technology</i> , <b>1998</b> , 58, 435-445	8.6	22
138	Free Vibration Analysis of Thick Superelliptical Plates. <i>Journal of Engineering Mechanics - ASCE</i> , <b>1998</b> , 124, 137-145	2.4	20
137	Vibration of open cylindrical shells: A three-dimensional elasticity approach. <i>Journal of the Acoustical Society of America</i> , <b>1998</b> , 104, 1436-1443	2.2	19
136	Acousto-Ultrasonic Characteristics for Contact-Type Transducers Coupled to Timoshenko Beam. <i>AIAA Journal</i> , <b>1998</b> , 36, 638-644	2.1	2
135	Nonlinear Theory for Composite Laminated Shells With Interfacial Damage. <i>Journal of Applied Mechanics, Transactions ASME</i> , <b>1998</b> , 65, 711-718	2.7	24
134	Vibration analysis of symmetrically laminated thick rectangular plates using the higher-order theory and p-Ritz method. <i>Journal of the Acoustical Society of America</i> , <b>1997</b> , 102, 1600-1611	2.2	35
133	Vibration of Laminated Plates Having Elastic Edge Flexibilities. <i>Journal of Engineering Mechanics - ASCE</i> , <b>1997</b> , 123, 1012-1019	2.4	18
132	Comparative Accuracy of Shallow and Deep Shell Theories for Vibration of Cylindrical Shells. <i>JVC/Journal of Vibration and Control</i> , <b>1997</b> , 3, 119-143	2	10

131	Relationships between Buckling Loads of Kirchhoff, Mindlin, and Reddy Polygonal Plates on Pasternak Foundation. <i>Journal of Engineering Mechanics - ASCE</i> , <b>1997</b> , 123, 1134-1137	2.4	16
130	Free Vibration of Pretwisted, Cantilevered Composite Shallow Conical Shells. <i>AIAA Journal</i> , <b>1997</b> , 35, 327-333	2.1	22
129	Vibration Analysis of Arbitrary Quadrilateral Unsymmetrically Laminated Thick Plates. <i>AIAA Journal</i> , <b>1997</b> , 35, 1251-1253	2.1	3
128	Timoshenko curved beam bending solutions in terms of Euler-Bernoulli solutions. <i>Archive of Applied Mechanics</i> , <b>1997</b> , 67, 179-190	2.2	38
127	Modelling of cold-formed purlin-sheeting systems Part 1: Full model. <i>Thin-Walled Structures</i> , <b>1997</b> , 27, 223-243	4.7	33
126	Modelling of cold-formed purlin-sheeting systems Part 2. Simplified model. <i>Thin-Walled Structures</i> , <b>1997</b> , 27, 263-286	4.7	33
125	Exact solutions for axisymmetric bending of continuous annular plates. <i>Computers and Structures</i> , <b>1997</b> , 63, 455-464	4.5	11
124	FREE VIBRATION OF SHEAR-DEFORMABLE GENERAL TRIANGULAR PLATES. <i>Journal of Sound and Vibration</i> , <b>1997</b> , 199, 595-613	3.9	19
123	VIBRATION ANALYSIS OF RECTANGULAR MINDLIN PLATES RESTING ON ELASTIC EDGE SUPPORTS. <i>Journal of Sound and Vibration</i> , <b>1997</b> , 204, 1-16	3.9	50
122	Optimal locations of point supports in laminated rectangular plates for maximum fundamental frequency. <i>Structural Engineering and Mechanics</i> , <b>1997</b> , 5, 691-703		7
121	Vibration characteristics of cantilevered thick cylindrical shallow shells. <i>AIAA Journal</i> , <b>1996</b> , 34, 2451-2453	1	1
120	Full Scale Testing of Transmission and Telecommunication Towers Using Numerical Simulation Techniques <b>1996</b> , 43-53		
119	Vibration of circular and annular Mindlin plates with internal ring stiffeners. <i>Journal of the Acoustical Society of America</i> , <b>1996</b> , 100, 3696-3705	2.2	14
118	Buckling and Vibration of Thick Laminates on Pasternak Foundations. <i>Journal of Engineering Mechanics - ASCE</i> , <b>1996</b> , 122, 54-63	2.4	51
117	Exact buckling solutions for composite laminates: proper free edge conditions under in-plane loadings. <i>Acta Mechanica</i> , <b>1996</b> , 117, 115-128	2.1	37
116	OPTIMAL DESIGN OF INTERNAL RING SUPPORT FOR RECTANGULAR PLATES AGAINST VIBRATION OR BUCKLING. <i>Journal of Sound and Vibration</i> , <b>1996</b> , 193, 545-554	3.9	4
115	Effects of general laminations and boundary constraints on vibration of composite shallow shells. <i>Composites Part B: Engineering</i> , <b>1996</b> , 27, 155-171	10	5
114	Free vibration of cantilevered arbitrary triangular Mindlin plates. <i>International Journal of Mechanical Sciences</i> , <b>1996</b> , 38, 431-442	5.5	33



113	Analytical buckling solutions for mindlin plates involving free edges. <i>International Journal of Mechanical Sciences</i> , <b>1996</b> , 38, 1127-1138	5.5	64
112	Navier's solution for laminated plate buckling with prebuckling in-plane deformation. <i>International Journal of Solids and Structures</i> , <b>1996</b> , 33, 1921-1937	3.1	10
111	Optimal locations of point supports in plates for maximum fundamental frequency. <i>Structural Optimization</i> , <b>1996</b> , 11, 170-177		8
110	Modeling the vibration of a variable thickness ellipsoidal dish with central point clamp or concentric surface clamp. <i>Journal of the Acoustical Society of America</i> , <b>1996</b> , 99, 362-372	2.2	15
109	Vibration of arbitrarily laminated plates of general trapezoidal planform. <i>Journal of the Acoustical Society of America</i> , <b>1996</b> , 100, 3674-3685	2.2	17
108	Buckling of skew mindlin plates subjected to in-plane shear loadings. <i>International Journal of Mechanical Sciences</i> , <b>1995</b> , 37, 1089-1101	5.5	21
107	Formulation of Mindlin-Engesser model for stiffened plate vibration. <i>Computer Methods in Applied Mechanics and Engineering</i> , <b>1995</b> , 120, 339-353	5.7	45
106	Hybrid analysis of Lamb wave reflection by a crack at the fixed edge of a composite plate. <i>Computer Methods in Applied Mechanics and Engineering</i> , <b>1995</b> , 125, 221-233	5.7	22
105	FORTTRAN subroutines for mathematical operations on polynomial functions. <i>Computers and Structures</i> , <b>1995</b> , 56, 541-551	4.5	3
104	Dynamic response of flexibly jointed frames. <i>Engineering Structures</i> , <b>1995</b> , 17, 575-580	4.7	15
103	Vibration of stiffened skew Mindlin plates. <i>Acta Mechanica</i> , <b>1995</b> , 112, 11-28	2.1	22
102	Benchmark vibration solutions for regular polygonal Mindlin plates. <i>Journal of the Acoustical Society of America</i> , <b>1995</b> , 97, 2866-2871	2.2	2
101	Shear buckling of simply supported skew Mindlin plates. <i>AIAA Journal</i> , <b>1995</b> , 33, 377-378	2.1	7
100	Reflection of plate waves at the fixed edge of a composite plate. <i>Journal of the Acoustical Society of America</i> , <b>1995</b> , 98, 644-651	2.2	12
99	Bounding-surface plasticity for non-linear analysis of space structures. <i>International Journal for Numerical Methods in Engineering</i> , <b>1995</b> , 38, 797-808	2.4	4
98	Research on thick plate vibration: a literature survey. <i>Journal of Sound and Vibration</i> , <b>1995</b> , 180, 163-176	3.9	198
97	Vibration of annular sector mindlin plates with internal radial line and circumferential arc supports. <i>Journal of Sound and Vibration</i> , <b>1995</b> , 183, 401-419	3.9	16
96	Vibration frequencies for elliptical and semi-elliptical Mindlin plates. <i>Structural Engineering and Mechanics</i> , <b>1995</b> , 3, 35-48		3

95	Vibration of Mindlin Plates on Point Supports Using Constraint Functions. <i>Journal of Engineering Mechanics - ASCE</i> , <b>1994</b> , 120, 499-513	2.4	23
94	Buckling Solutions of Rectangular Mindlin Plates under Uniform Shear. <i>Journal of Engineering Mechanics - ASCE</i> , <b>1994</b> , 120, 2462-2470	2.4	16
93	Vibration of Rectangular Mindlin Plates with Intermediate Stiffeners. <i>Journal of Vibration and Acoustics, Transactions of the ASME</i> , <b>1994</b> , 116, 529-535	1.6	33
92	Effect of Bolt Slippage on Ultimate Behavior of Lattice Structures. <i>Journal of Structural Engineering</i> , <b>1994</b> , 120, 2281-2287	3	53
91	Closure to Stability of Skew Mindlin Plates under Isotropic In-Plane Pressure by C. M. Wang, S. Kitipornchai, Y. Xiang, and K. M. Liew (February, 1993, Vol. 119, No. 2). <i>Journal of Engineering Mechanics - ASCE</i> , <b>1994</b> , 120, 2247-2249	2.4	2
90	Vibration Analysis of Corner Supported Mindlin Plates of Arbitrary Shape Using the Lagrange Multiplier Method. <i>Journal of Sound and Vibration</i> , <b>1994</b> , 173, 457-470	3.9	22
89	Buckling And Vibration Of Annular Mindlin Plates With Internal Concentric Ring Supports Subject To In-Plane Radial Pressure. <i>Journal of Sound and Vibration</i> , <b>1994</b> , 177, 689-707	3.9	20
88	Flexural Vibration Of Skew Mindlin Plates With Oblique Internal Line Supports. <i>Journal of Sound and Vibration</i> , <b>1994</b> , 178, 535-551	3.9	8
87	Non-linear analysis of thin-walled structures using plate elements. <i>International Journal for Numerical Methods in Engineering</i> , <b>1994</b> , 37, 1697-1711	2.4	12
86	A global approach for vibration of thick trapezoidal plates. <i>Computers and Structures</i> , <b>1994</b> , 53, 83-92	4.5	23
85	Nonlinear dynamic analysis of lattice structures. <i>Computers and Structures</i> , <b>1994</b> , 52, 9-15	4.5	14
84	Exact vibration solution for initially stressed Mindlin plates on Pasternak foundations. <i>International Journal of Mechanical Sciences</i> , <b>1994</b> , 36, 311-316	5.5	78
83	Buckling of triangular Mindlin plates under isotropic inplane compression. <i>Acta Mechanica</i> , <b>1994</b> , 102, 123-135	2.1	9
82	Stability of cold-formed members. <i>Engineering Structures</i> , <b>1994</b> , 16, 386-392	4.7	8
81	Buckling solutions for Mindlin plates of various shapes. <i>Engineering Structures</i> , <b>1994</b> , 16, 119-127	4.7	42
80	Cyclic and seismic response of flexibly jointed frames. <i>Engineering Structures</i> , <b>1994</b> , 16, 249-255	4.7	26
79	Vibration of Triangular Mindlin Plates Subject to Isotropic In-Plane Stresses. <i>Journal of Vibration and Acoustics, Transactions of the ASME</i> , <b>1994</b> , 116, 61-66	1.6	10
78	Closure to Finite Element Method for Buckling Analysis of Plate Structures by Chee-Kiong Chin, Faris G. A. Al-Bermani, and Sritawat Kitipornchai (April, 1993, Vol. 119, No. 4). <i>Journal of Structural Engineering</i> , <b>1994</b> , 120, 3095-3096	3	

77	Stability of Skew Mindlin Plates under Isotropic In-Plane Pressure. <i>Journal of Engineering Mechanics - ASCE</i> , <b>1993</b> , 119, 393-401	2.4	14
76	Finite Element Method for Buckling Analysis of Plate Structures. <i>Journal of Structural Engineering</i> , <b>1993</b> , 119, 1048-1068	3	22
75	Axisymmetric Buckling of Circular Mindlin Plates with Ring Supports. <i>Journal of Structural Engineering</i> , <b>1993</b> , 119, 782-793	3	34
74	Transverse Vibration of Thick Annular Sector Plates. <i>Journal of Engineering Mechanics - ASCE</i> , <b>1993</b> , 119, 1579-1599	2.4	36
73	Mindlin Plate Buckling with Prebuckling In-Plane Deformation. <i>Journal of Engineering Mechanics - ASCE</i> , <b>1993</b> , 119, 1-18	2.4	28
72	Eccentrically Connected Cleat Plates in Compression. <i>Journal of Structural Engineering</i> , <b>1993</b> , 119, 767-781		8
71	Vibration Of Thick Skew Plates Based On Mindlin Shear Deformation Plate Theory. <i>Journal of Sound and Vibration</i> , <b>1993</b> , 168, 39-69	3.9	103
70	Buckling of thick skew plates. <i>International Journal for Numerical Methods in Engineering</i> , <b>1993</b> , 36, 1299-1310	3.10	103
69	Maximum response of asymmetric structures subject to A multicomponent earthquake. <i>Earthquake Engineering and Structural Dynamics</i> , <b>1993</b> , 22, 1047-1066	4	4
68	Research on elastic buckling of columns, beam and plates: Focussing on formulas and design charts. <i>Journal of Constructional Steel Research</i> , <b>1993</b> , 26, 211-230	3.8	5
67	Flexural vibration of shear deformable circular and annular plates on ring supports. <i>Computer Methods in Applied Mechanics and Engineering</i> , <b>1993</b> , 110, 301-315	5.7	38
66	Transverse vibration of thick rectangular platesIII. Effects of multiple eccentric internal ring supports. <i>Computers and Structures</i> , <b>1993</b> , 49, 59-67	4.5	8
65	Transverse vibration of thick rectangular platesIV. Influence of isotropic in-plane pressure. <i>Computers and Structures</i> , <b>1993</b> , 49, 69-78	4.5	18
64	Free vibration of isosceles triangular mindlin plates. <i>International Journal of Mechanical Sciences</i> , <b>1993</b> , 35, 89-102	5.5	32
63	Nonlinear finite element analysis of latticed transmission towers. <i>Engineering Structures</i> , <b>1993</b> , 15, 259-269	4.7	18
62	Transverse vibration of thick rectangular platesII Comprehensive sets of boundary conditions. <i>Computers and Structures</i> , <b>1993</b> , 49, 1-29	4.5	129
61	Transverse vibration of thick rectangular platesII. Inclusion of oblique internal line supports. <i>Computers and Structures</i> , <b>1993</b> , 49, 31-58	4.5	20
60	Research developments in analyses of plates and shells. <i>Journal of Constructional Steel Research</i> , <b>1993</b> , 26, 231-248	3.8	11

59	Buckling of rectangular mindlin plates with internal line supports. <i>International Journal of Solids and Structures</i> , <b>1993</b> , 30, 1-17	3.1	59
58	Elastoplastic Nonlinear Analysis of Flexibly Jointed Space Frames. <i>Journal of Structural Engineering</i> , <b>1992</b> , 118, 108-127	3	35
57	Nonlinear analysis of lattice structures. <i>Journal of Constructional Steel Research</i> , <b>1992</b> , 23, 209-225	3.8	6
56	Application of Trefftz theory in thin-plate buckling with in-plane pre-buckling deformations. <i>International Journal of Mechanical Sciences</i> , <b>1992</b> , 34, 681-688	5.5	4
55	Shooting optimization technique for large deflection analysis of structural members. <i>Engineering Structures</i> , <b>1992</b> , 14, 231-240	4.7	36
54	Nonlinear analysis of transmission towers. <i>Engineering Structures</i> , <b>1992</b> , 14, 139-151	4.7	54
53	Stability of thin-walled members having arbitrary flange shape and flexible web. <i>Engineering Structures</i> , <b>1992</b> , 14, 121-132	4.7	18
52	Column buckling under general loads with allowances for pre-buckling shortening and shear deformation. <i>Archive of Applied Mechanics</i> , <b>1992</b> , 62, 544-556	2.2	5
51	Buckling of columns: Allowance for axial shortening. <i>International Journal of Mechanical Sciences</i> , <b>1991</b> , 33, 613-622	5.5	6
50	Single-equation yield surfaces for monosymmetric and asymmetric sections. <i>Engineering Structures</i> , <b>1991</b> , 13, 366-370	4.7	22
49	Parametric study on distortional buckling of monosymmetric beam-columns. <i>Journal of Constructional Steel Research</i> , <b>1991</b> , 18, 89-110	3.8	20
48	Elasto-Plastic Analysis of Box-Beam-Columns Including Local Buckling Effects. <i>Journal of Structural Engineering</i> , <b>1991</b> , 117, 1946-1962	3	19
47	Discussion of Effect of Axial Compressibility on Buckling of Columns by Charles W. Bert (March, 1990, Vol. 116, No. 3). <i>Journal of Engineering Mechanics - ASCE</i> , <b>1991</b> , 117, 2173-2175	2.4	3
46	Buckling of Restrained Columns with Shear Deformation and Axial Shortening. <i>Journal of Engineering Mechanics - ASCE</i> , <b>1991</b> , 117, 1973-1989	2.4	13
45	Elasto-plastic large deformation analysis of thin-walled structures. <i>Engineering Structures</i> , <b>1990</b> , 12, 28-36.7	4.7	44
44	Elasto-Plastic Finite Element Models for Angle Steel Frames. <i>Journal of Structural Engineering</i> , <b>1990</b> , 116, 2567-2581	3	26
43	Optimal Designs of I-Beams against Lateral Buckling. <i>Journal of Engineering Mechanics - ASCE</i> , <b>1990</b> , 116, 1902-1923	2.4	6
42	Limit Analysis of Welded Tee End Connections for Hollow Tubes. <i>Journal of Structural Engineering</i> , <b>1990</b> , 116, 2309-2323	3	6

41	Buckling of Suspended I-Beams. <i>Journal of Structural Engineering</i> , <b>1990</b> , 116, 1877-1891	3	9
40	Experimental Investigation of Anchor Bolts under Shear. <i>Journal of Structural Engineering</i> , <b>1990</b> , 116, 910-921	3	11
39	Nonlinear Analysis of Thin-Walled Structures Using Least Element/Member. <i>Journal of Structural Engineering</i> , <b>1990</b> , 116, 215-234	3	53
38	New Set of Buckling Parameters for Monosymmetric Beam-Columns/Tie-Beams. <i>Journal of Structural Engineering</i> , <b>1989</b> , 115, 1497-1513	3	5
37	Geometric and material nonlinear analysis of structures comprising rectangular hollow sections. <i>Engineering Structures</i> , <b>1988</b> , 10, 13-23	4.7	30
36	Inelastic Post-Buckling Behavior of Tubular Struts. <i>Journal of Structural Engineering</i> , <b>1988</b> , 114, 1091-1105	3.5	28
35	Out-of-Plane Buckling Formulas for Beam-Columns/Tie-Beams. <i>Journal of Structural Engineering</i> , <b>1988</b> , 114, 2773-2789	3	7
34	Closure to Buckling Capacities of Monosymmetric I-Beams by Chien M. Wang and Sritawat Kitipornchai (November 1986, Vol. 112, No. 11). <i>Journal of Structural Engineering</i> , <b>1988</b> , 114, 739-740	3	2
33	Closure to Stiffness Requirements for Cross Bracing by Sritawat Kitipornchai and David L. Finch (December, 1986, Vol. 112, No. 12). <i>Journal of Structural Engineering</i> , <b>1988</b> , 114, 1938-1939	3	1
32	Closure to Design of Single Angle Web Struts in Trusses by Scott T. Woolcock and Sritawat Kitipornchai (June, 1986, Vol. 112, No. 6). <i>Journal of Structural Engineering</i> , <b>1987</b> , 113, 2103-2107	3	
31	Closure to Buckling of Monosymmetric I-Beams Under Moment Gradient by Sritawat Kitipornchai, Chien Ming Wang, and Nicholas S. Trahair (April, 1986, Vol. 112, No. 4). <i>Journal of Structural Engineering</i> , <b>1987</b> , 113, 1391-1395	3	9
30	Inelastic Buckling of Welded Monosymmetric I-Beams. <i>Journal of Structural Engineering</i> , <b>1987</b> , 113, 740-756	3.5	19
29	Nonlinear Finite Element Analysis of Angle and Tee Beam-Columns. <i>Journal of Structural Engineering</i> , <b>1987</b> , 113, 721-739	3	50
28	Survey of deflection limits for portal frames in Australia. <i>Journal of Constructional Steel Research</i> , <b>1987</b> , 7, 399-417	3.8	
27	Partially braced inelastic beam buckling experiments. <i>Journal of Constructional Steel Research</i> , <b>1987</b> , 7, 189-211	3.8	7
26	Buckling of braced monosymmetric cantilevers. <i>International Journal of Mechanical Sciences</i> , <b>1987</b> , 29, 321-337	5.5	14
25	Geometric nonlinear analysis of asymmetric thin-walled beam-columns. <i>Engineering Structures</i> , <b>1987</b> , 9, 243-254	4.7	80
24	Inelastic buckling of single-angle, tee and double-angle struts. <i>Journal of Constructional Steel Research</i> , <b>1986</b> , 6, 3-20	3.8	30

23	Inelastic experiments on angle and tee struts. <i>Journal of Constructional Steel Research</i> , <b>1986</b> , 6, 219-236	3.8	36
22	Lateral buckling of tee beams under moment gradient. <i>Computers and Structures</i> , <b>1986</b> , 23, 69-76	4.5	18
21	Optimal design of tapered beams for maximum buckling strength. <i>Engineering Structures</i> , <b>1986</b> , 8, 276-284	4.7	7
20	On stability of monosymmetric cantilevers. <i>Engineering Structures</i> , <b>1986</b> , 8, 169-180	4.7	31
19	Buckling of Monosymmetric I-Beams under Moment Gradient. <i>Journal of Structural Engineering</i> , <b>1986</b> , 112, 781-799	3	69
18	Stiffness Requirements for Cross Bracing. <i>Journal of Structural Engineering</i> , <b>1986</b> , 112, 2702-2707	3	20
17	Buckling Capacities of Monosymmetric I-Beams. <i>Journal of Structural Engineering</i> , <b>1986</b> , 112, 2373-2391	3	31
16	Design of Single Angle Web Struts in Trusses. <i>Journal of Structural Engineering</i> , <b>1986</b> , 112, 1327-1345	3	14
15	Discussion of [Loss of Torsional Stiffness Caused By Beam Loading] by John J. Zahn (January, 1984). <i>Journal of Structural Engineering</i> , <b>1985</b> , 111, 2057-2058	3	
14	Design of Diagonal Roof Bracing Rods and Tubes. <i>Journal of Structural Engineering</i> , <b>1985</b> , 111, 1068-1084	3	1
13	Buckling Approximations for Inelastic Beams. <i>Journal of Structural Engineering</i> , <b>1984</b> , 110, 559-574	3	7
12	Discussion of [Lateral Stability of I-Beams With Partial Support] by Charles W. Roeder and Mahyar Assadi (August, 1982). <i>Journal of Structural Engineering</i> , <b>1984</b> , 110, 178-181	3	1
11	Discussion of [Buckling of Beams with Concentrated Moments] by Peter E. Cuk and Nicholas S. Trahair (June, 1983). <i>Journal of Structural Engineering</i> , <b>1984</b> , 110, 1915-1916	3	
10	Buckling and Bracing of Cantilevers. <i>Journal of Structural Engineering</i> , <b>1984</b> , 110, 2250-2262	3	20
9	Inelastic beam buckling experiments. <i>Journal of Constructional Steel Research</i> , <b>1983</b> , 3, 3-9	3.8	27
8	Discussion of [Buckling of Angles: State of the Art] by John B. Kennedy and Murty K. S. Madugula (September, 1982). <i>Journal of Structural Engineering</i> , <b>1983</b> , 109, 2026-2028	3	
7	Closure to [Elastic Buckling of Laterally Continuous I-Beams] by Peter F. Dux and Sritawat Kitipornchai (September, 1982). <i>Journal of Structural Engineering</i> , <b>1983</b> , 109, 2949-2951	3	
6	Torsional flexural buckling of angles: A parametric study. <i>Journal of Constructional Steel Research</i> , <b>1983</b> , 3, 27-31	3.8	7

- 5 Elastic Buckling of Laterally Continuous I-Beams. *Journal of the Structural Division*, **1982**, 108, 2099-2116 8
- 4 Buckling Properties of Monosymmetric I-Beams. *Journal of the Structural Division*, **1980**, 106, 941-957 52
- 3 Buckling of Inelastic I-Beams Under Moment Gradient. *Journal of the Structural Division*, **1975**, 101, 991-1004 16
- 2 Elastic Stability of Tapered I-Beams. *Journal of the Structural Division*, **1972**, 98, 713-728 68
- 1 Nonlinear band gap characteristics of piezo-electro-magnetic phononic crystal micro and nanobeams based on size-dependent continuum mechanics models. *Mechanics of Advanced Materials and Structures*, 1-26 1.8